

What is claimed is:

- 1 1. A method comprising:
2 providing a signal to a communication link to communicate a data value across the
3 communication link; and
4 selectively introducing at least one wavelength to the signal, said at least one wavelength
5 identifying the data value.
- 1 2. The method of claim 1, wherein the presence of said at least one wavelength in
2 the signal identifies the data value.
- 1 3. The method of claim 1, wherein said introducing comprises:
2 introducing a wavelength identifying a byte value.
- 1 4. The method of claim 1, wherein said introducing comprises:
2 introducing a wavelength identifying a bit state.
- 1 5. The method of claim 1, wherein said introducing comprises:
2 introducing wavelengths identifying different bit states of a digital value.
- 1 6. The method of claim 5, wherein the digital value comprises a nibble.
- 1 7. The method of claim 1, wherein the providing comprises:
2 providing the signal to an optical fiber.

1 8. A method comprising:
2 receiving a signal from a communication link, the communication link to communicate a
3 data value; and
4 detecting the presence of at least one wavelength in the signal to identify the data value.

1 9. The method of claim 8, wherein the detecting comprises:
2 detecting a wavelength identifying a byte value.

1 10. The method of claim 8, wherein the detecting comprises:
2 detecting a wavelength identifying a bit state.

1 11. The method of claim 8, wherein the detecting comprises:
2 detecting wavelengths identifying different bit states of a digital value.

1 12. The method of claim 11, wherein the digital value comprises a nibble.

1 13. The method of claim 8, wherein the receiving comprises:
2 receiving the signal from an optical fiber.

1 14. The method of claim 8, wherein the receiving comprises:
2 receiving the signal from an optical communication link.

1 15. A receiver comprising:
2 at least one detector coupled to a communication link to detect the presence of at least
3 one wavelength in a signal received from the communication link to identify data communicated
4 over the communication link.

1 16. The receiver of claim 15, wherein said at least one wavelength comprises a
2 wavelength identifying a byte value.

1 17. The receiver of claim 15, wherein said at least one wavelength comprises a
2 wavelength identifying a bit state.

1 18. The receiver of claim 15, wherein said at least one detector receives the signal
2 from an optical fiber.

1 19. The receiver of claim 15, wherein said at least one detector comprises:
2 multiple detectors, each detector to detect the presence of a different wavelength in the
3 signal.

1 20. A transmitter comprising:
2 at least one source to provide a signal to a communication link to communicate a data
3 value and selectively introduce at least one wavelength to the communication link, said at least
4 one wavelength identifying the data value.

1 21. The transmitter of claim 20, wherein the present of said at least one wavelength
2 identifies the particular data value.

1 22. The transmitter of claim 20, wherein said at least one wavelength comprises a
2 wavelength identifying a byte value.

1 23. The transmitter of claim 20, wherein said at least one wavelength comprises a
2 wavelength identifying a bit state.

1 24. The transmitter of claim 20, wherein said at least one source provides the signal to
2 an optical communication link.

1 25. A system comprising:
2 a communication link;
3 a transmitter to provide a signal to the communication link to communicate a data value
4 over the communication link and selectively introduce at least one wavelength to the signal, said
5 at least one wavelength identifying the data value; and
6 a receiver coupled to the communication link to detect said at least one wavelength to
7 identify the data value.

1 26. The system of claim 25, wherein the presence of said at least one wavelength
2 identifies the particular data value.

1 27. The system of claim 25, wherein said at least one wavelength comprises a
2 wavelength identifying a byte value.

1 28. The system of claim 25, wherein said at least one wavelength comprises a
2 wavelength identifying a bit state.

1 29. The system of claim 25, wherein the communication link comprises an optical
2 communication link.

1 30. A system comprising:
2 an optical fiber;
3 a transmitter to provide a signal to the optical fiber to communicate a data value over the
4 optical fiber and selectively introduce at least one wavelength to the signal, said at least one
5 wavelength identifying the data value and to indicate a particular data value; and
6 a receiver coupled to the optical fiber to detect said at least one wavelength to identify the
7 data value.